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IS 11296-3 (1985): Method for magnetic testing of TV ferrite components, Part 3: Flux measurement of pin cushion correction magnet [LITD 5: Semiconductor and Other Electronic Components and Devices]

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UDC 621·397·331·24 : 621·318·1: 621·317·42

IS : 11296 (Part 3) - 1985

Indian Standard

(Reaffirmed 2004)

METHOD FOR
MAGNETIC TESTING OF TV FERRITE COMPONENTS

PART 3 FLUX MEASUREMENT OF PIN CUSHION CORRECTION MAGNET

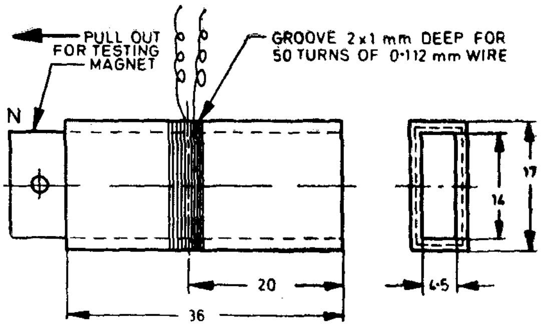
Magnetic Components and Ferrite Materials Sectional Committee, LTDC 13; Panel for Entertainment Ferrites, LTDC 13 : P4 [Ref: Doc: LTDC 13 (833)]

1. Scope — Covers comparative test method for open circuit flux measurement of pin cushion correction magnet.

2. Test Method — Figure 1 gives details of fixture to measure open circuit flux. Fifty turns (*see* Note 1) of enamelled copper wire 0·112 mm dia are wound on a former of aluminium as shown in Fig. 1. The fixture is connected to a flux meter through control box. The magnet to be tested is magnetized and inserted in the fixture. The flux meter is set to zero. The magnet is then withdrawn from the fixture and flux meter reading is recorded which indicates total open circuit flux of the magnet.

Note 1 — Number of turns and gauge of wire may vary according to the type of flux meter used (impedance).

Note 2 — Since this is a comparative test method, it is necessary to have a reference magnet, which meets the minimum requirements of end application.


PULL OUT FOR TESTING MAGNET
N
GROOVE 2x1 mm DEEP FOR 50 TURNS OF 0·112 mm WIRE
17
14
20
4·5
36

All dimensions in millimetres.

FIG. 1 TEST FIXTURE FOR PIN CUSHION CORRECTION MAGNET

Printed at Arcee Press, New Delhi, India

Adopted 24 May 1985	© November 1985, ISI	Gr 1

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